

CLAIM AMENDMENTS

1-12. (Cancelled)

13. (Original) A method for conditioning an AC power supply, comprising:
supplying a DC voltage or regulated AC voltage input to a step wave power converter;
transforming the DC voltage or regulated AC voltage input into a plurality of steps of the
step wave AC waveform; and
pulse-width modulating the DC voltage or regulated AC voltage input while the input
voltage is being transformed into a step of the output AC waveform.

14. (Original) A method of conditioning an AC power supply according to claim 13,
wherein:

supplying a DC voltage or regulated AC voltage input comprises supplying a plurality of
DC voltage and/or regulated AC voltage inputs to a plurality of transformers; and wherein
pulse-width modulating the voltage input comprises pulse-width modulating the voltage
input into a selected one of the transformers while holding the voltage input into another one of
the transformers in a constant on or off state, in order to fine-tune the step wave AC output in
substantial conformity with an ideal AC sine wave.